Seqlist3

SEQUENCE LISTING

<110> St.George-Hyslop, Peter H.
      Fraser, Paul E.
      University of Toronto

<120> A novel presenilin associated membrane
   protein and uses thereof

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Pro	Val	Gln	Leu	Glu	Asn	Val	Asp	Ser	Phe	Val	Glu	Leu	Gly	Gln	Val
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Leu Thr Val Gly Phe Gly Ile Leu Ile Phe Ser Leu Ile Val Thr Tyr
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        <400> 15

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<212> PRT
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            35                  40                  45
Cys Val Arg Leu Leu Asn Ala Thr His Gln Ile Gly Cys Gln Ser Ser
        50                  55                  60
Ile Ser Gly Asp Thr Gly Val Ile His Val Val Glu Lys Glu Glu Asp
65                  70                  75                  80
Leu Lys Trp Val Leu Thr Asp Gly Pro Asn Pro Pro Tyr Met Val Leu
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Leu Glu Gly Lys Leu Phe Thr Arg Asp Val Met Glu Lys Leu Lys Gly
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Phe Pro Ile Phe Leu Leu Glu Asp Glu Asn Glu Thr Lys Val Ile Lys
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        195             200             205
Phe Pro Leu Cys Ala Met Gln Leu Phe Ser His Met His Ala Val Ile
    210             215             220
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225             230             235                     240
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Lys Asn Glu Ser Val Lys Asn Gln Val Glu Asp Leu Leu Ala Thr Leu
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        420             425             430
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        435             440             445
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Seqlist3

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Ala Thr Asn Leu Thr Arg Glu Gln Cys Gln Asp Pro Ser Lys Val Pro
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Asn Ser Asn Arg Thr Glu Arg Leu Pro Gln Cys Val Arg Ser Thr Val
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Arg Leu Ala Arg Ala Leu Ser Pro Ala Phe Glu Leu Ser Gln Trp Ser
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Ser Thr Glu Tyr Ser Thr Trp Ala Glu Ser Arg Trp Lys Asp Ile Gln
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Ala Arg Ile Phe Leu Ile Ala Ser Lys Lys Leu Glu Phe Ile Thr Leu
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Ile Val Gly Phe Ser Ile Leu Ile Phe Ser Leu Ile Val Thr Tyr Cys
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        <213> D. melanogaster

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Leu Ile Asn Val Glu Ala Asp Leu Glu Phe Leu Leu Ser Ser Pro Pro
65              70              75              80
Ser Pro Pro Tyr Ala Pro Met Ile Pro Pro His Leu Phe Thr Arg Asn
            85              90              95
Asn Leu Met Arg Leu Lys Glu Ala Gly Pro Lys Asn Ile Ser Val Val
            100             105             110
Leu Leu Ile Asn Arg Thr Asn Gln Met Lys Gln Phe Ser His Glu Leu
            115             120             125
Asn Cys Pro Asn Gln Tyr Ser Gly Leu Asn Ser Thr Ser Glu Thr Cys
    130             135             140
Asp Ala Ser Asn Pro Ala Lys Asn Trp Asn Pro Trp Gly Thr Gly Leu
145             150             155             160
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            165             170             175
Gln Val Thr Lys Leu Glu Lys Cys Phe Gln Asp Phe Asn Asn His Asn
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Phe Met Ser Ala Ala Val Asn Thr Glu Val Cys Met Arg Arg Thr Asn
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Ala Asn Pro Leu Met Ala Asp Glu Phe Leu Tyr Cys Phe Leu Gln Ser
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Ala Asp Cys Pro Leu Phe Lys Ala Ala Ser Tyr Pro Gly Ser Gln Leu
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Thr Asn Leu Pro Pro Met Arg Tyr Ile Ser Val Leu Gly Gly Ser Gln
545                          550                          555                          560
Glu Ser Ser Gly Tyr Thr Tyr Arg Leu Leu Gly Tyr Leu Leu Ser Gln
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Leu Gln Pro Asp Ile His Arg Asp Asn Cys Thr Asp Leu Pro Leu His
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Tyr Phe Ala Gly Phe Asn Asn Ile Gly Glu Cys Arg Leu Thr Thr Gln
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Asn Tyr Ser His Ala Leu Ser Pro Ala Phe Leu Ile Asp Gly Tyr Asp
610                          615                          620
Trp Ser Ser Gly Met Tyr Ser Thr Trp Thr Glu Ser Thr Trp Ser Gln
625                          630                          635                          640
Phe Ser Ala Arg Ile Phe Leu Arg Pro Ser Asn Val His Gln Val Thr
                645                          650                          655
Thr Leu Ser Val Gly Ile Val Val Leu Ile Ile Ser Phe Cys Leu Val
                660                          665                          670
Tyr Ile Ile Ser Ser Arg Ser Glu Val Leu Phe Glu Asp Leu Pro Ala
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Ser·Asn Ala Ala Leu Phe Gly
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